



# Central Line Associated Blood Stream Infections (CLABSI) Rate Reduction Strategy (CRRS)

## Goal:

Reduction of the National CLABSI Rate to **(0.9 cases per 1000 central line days)** or less in all MOH critical care units.

## How could we, together, achieve our goal?

By Implementing CLABSI Care Preventive Bundles.

## What are the CLABSI Care Preventive Bundles?

**EVIDENCE-BASED PRACTICES** that are implemented as one package to reduce CLABSI Rate.

### Components of Central Line Insertion Bundle:

1. Hand hygiene before and after any manipulation of the Central Venous Catheter (CVC) insertion site.
2. Use Maximal Barrier Precautions including: Sterile gloves, Sterile gown, Head Cap, Surgical mask, and Sterile full body drape.
3. Disinfection of the insertion site with a solution of 2% chlorhexidine in 70% isopropyl alcohol and allow skin to dry before CVC insertion.
4. Optimal catheter site Selection, with avoidance of the Femoral Site Insertion until absolutely necessary

### Components of Central line maintenance bundle

1. Hand hygiene before and after any manipulation of the vascular access site.
2. Daily review of the need for catheter with prompt removal of unnecessary lines.
3. Proper dressing choice
  - Use transparent semipermeable dressing
  - Use gauze dressings only if the site is bleeding or oozing
4. Proper frequency of dressing change
  - Replace transparent dressing every 7 days
  - Replace gauze dressing every 48 hours
  - Replace immediately any dressing that is soiled, dampened, or loosened
  - **Proper replacement of administration sets:** Generally, administration sets are replaced no more frequently than at 96-hour intervals, but at least every 7 days.